

TABLE OF CONTENTS

ARTICLES

GEE, E. M. and P. J. SHEU / MCC and Gull Flight Behavior	247
ALLEN, JR., L. H., <i>see</i> Desjardins, R. L. <i>et al.</i>	
ANTONIA, R. A., <i>see</i> Sreenivasan, K. R. <i>et al.</i>	
BARTHOLOIC, J. F., <i>see</i> Bill, Jr., R. G. <i>et al.</i>	
BILL, JR., R. G., R. A. SUTHERLAND, J. F. BARTHOLOIC, and E. CHEN / Observations of the Convective Plume of a Lake under Cold-Air Advective Conditions	543
BROWN, R. A. / Similarity Parameters from First-Order Closure and Data	381
BROWN, R. M., <i>see</i> Sethuraman, S. <i>et al.</i>	
BRUTSAERT, WILFRIED and FREDERICK K.-F. CHAN / Similarity Functions D for Water Vapor in the Unstable Atmospheric Boundary Layer	441
CAPORALONI, MARINA, <i>see</i> Trombetti, Fernanda <i>et al.</i>	
CARROLL, J. J., <i>see</i> Jackson, B. S.	
CARSON, D. J. and P. J. R. RICHARDS / Modelling Surface Turbulent Fluxes in Stable Conditions	67
HAMBERS, A. J., <i>see</i> Sreenivasan, K. R. <i>et al.</i>	
HAN, FREDERICK K.-F., <i>see</i> Brutsaert, Wilfried	
HEN, E., <i>see</i> Bill, Jr., R. G. <i>et al.</i>	
HOCK, DAVID P. / On Eddy Convection Velocity in the Atmospheric Boundary Layer	397
COLACINO, M. and L. DELL'OSSO / The Local Atmospheric Circulation in the Rome Area: Surface Observations	133
COULMAN, C. E. / Boundary-Layer Evolution and Nocturnal Inversion Dispersal - Part I	471
COULMAN, C. E. / Boundary-Layer Evolution and Nocturnal Inversion Dispersal - Part II	493
CRABTREE, JR., STERLING J. and BJÖRN KJERFVE / Radiation Balance over a Salt Marsh	59
DABBERDT, WALTER F. and PAUL A. DAVIS / Determination of Energetic Characteristics of Urban-Rural Surfaces in the Greater St. Louis Area	105
ANARD, M. B., <i>see</i> Venkatesh, S.	
AVIS, PAUL A., <i>see</i> Dabberdt, Walter F.	
DELL'OSSO, L., <i>see</i> Colacino, M.	
ENTLER, FRANK-ULRICH / The Effect of Rainfall on Measurements of Mean Wind Speed with Cup Anemometers in the Surface Layer at Sea	123
DESJARDINS, R. L., L. H. ALLEN, JR., and E. R. LEMON / Variations of Carbon Dioxide, Air Temperature, and Horizontal Wind within and above a Maize Crop	369

TABLE OF CONTENTS

DRUILHET, AIMÉ, <i>see</i> Guedalia, Daniel, <i>et al.</i>	
DUNCKEL, MICHAEL, <i>see</i> Krügermeyer, Lutz, <i>et al.</i>	
FINNIGAN, J. J. and P. J. MULHEARN / Modelling Waving Crops in a Wind Tunnel	253
FINNIGAN, J. J. and P. J. MULHEARN / A Simple Mathematical Model of Airflow in Waving Plant Canopies	415
FONTAN, JACQUES, <i>see</i> Guedalia, Daniel <i>et al.</i>	
FRANCEY, R. J. and J. R. GARRATT / Eddy Flux Measurements over the Ocean and Related Transfer Coefficients	153
FREYTAG, C. / Statistical Properties of Energy Dissipation	183
GARRATT, J. R., <i>see</i> Francey, R. J.	
GRÜNEWALD, MANFRED, <i>see see</i> Krügermeyer, Lutz <i>et al.</i>	
GSCHWANDTNER, G. and L. D. PENGELLY / Measurement of the Frequency and Location of Stratified Aerosol Layers Using a Searchlight Probing Technique	361
GUEDALIA, DANIEL, AIMÉ DRUILHET et JACQUES FONTAN / Évolution de la Structure de la Couche Limite Planétaire sur des Sites Océaniques et Continentaux	457
GUILLEMET, B., <i>see</i> Mascart, P. <i>et al.</i>	
HICKS, B. B. / Some Limitations of Dimensional Analysis and Power Laws	567
ISAKA, H., <i>see</i> Mascart, P. <i>et al.</i>	
JACKSON, B. S. and J. J. CARROLL / Aerodynamic Roughness as a Function of Wind Direction over Asymmetric Surface Elements	323
KHANDEKAR, M. L. and R. L. RADDATZ / Reply	435
KJERFVE, BJÖRN, <i>see</i> Crabtree, Jr., Sterling J.	
KRASITSKII, V. P. and M. M. ZASLAVSKII / Comments on the Phillips'-Miles' Theory of Wind Wave Generation	199
KRAUS, H. and E. SCHALLER / Steady-State Characteristics of Inversions Capping a Well-Mixed Planetary Boundary Layer	83
KRÜGERMEYER, LUTZ, MANFRED GRÜNEWALD, and MICHAEL DUNCKEL / The Influence of Sea Waves on the Wind Profile	403
LEMON, E. R., <i>see</i> Desjardins, R. L. <i>et al.</i>	
MAITANI, T. / On the Downward Transport of Turbulent Kinetic Energy in the Surface Layer over Plant Canopies	571
MANDRIOLI, PAOLO and FRANCESCO TAMPIERI / Vertical Profiles of Biological Particle Concentrations under Convective Conditions	331
MANTON, M. J. / On Dry Penetrative Convection	301
MASCART, P., B. GUILLEMET, et H. ISAKA / Ondes de Gravité Interfaciales Marginalement Instables dans la Couche Limite Planétaire	283
MEYERS, R. E., <i>see</i> Sethuraman, S. <i>et al.</i>	
MULHEARN, P. J., <i>see</i> Finnigan, J. J.	
MULHEARN, P. J., <i>see</i> Seginer, I.	
NIEUWSTADT, F. / The Computation of the Friction Velocity u_* and the Temperature Scale T_* from Temperature and Wind Velocity Profiles by Least-Square Methods	235

TABLE OF CONTENTS

VERLAND, JAMES E. / Comments on 'Numerical Simulation of Cold Easterly Circulations over the Canadian Western Plains Using a Mesoscale Boundary-Layer Model'	433
ENGELLY, L. D., <i>see</i> Gschwandtner, G.	
ADDATZ, R. L., <i>see</i> Khandekar, M. L.	
AO, G. V. and W. H. RAYMOND / The Effect of a Lower Boundary Condition on the Boundary-Layer Structure of an Axisymmetric Vortex	525
AYMOND, W. H., <i>see</i> Rao, G. V.	
RICHARDS, P. J. R., <i>see</i> Carson, D. J.	
CHALLER, E., <i>see</i> Kraus, H.	
EGINER, I. and P. J. MULHEARN / A Note on Vertical Coherence of Streamwise Turbulence Inside and Above a Model Plant Canopy	515
ETHURAMAN, S., R. E. MEYERS, and R. M. BROWN / A Comparison of a Eulerian and a Lagrangian Time Scale for Over-Water Atmospheric Flows during Stable Conditions	557
HEU, P. J., <i>see</i> Agee, E. M.	
HUTTLEWORTH, W. JAMES / A Simplified One-Dimensional Theoretical Description of the Vegetation-Atmosphere Interaction	3
REENIVASAN, K. R., A. J. CHAMBERS, and R. A. ANTONIA / Accuracy of Moments of Velocity and Scalar Fluctuations in the Atmospheric Surface Layer	341
TEARNS, CHARLES R., <i>see</i> Wiedner, George A.	
UTHERLAND, R. A., <i>see</i> Bill, Jr., R. G. <i>et al.</i>	
AMPIERI, FRANCESCO, <i>see</i> Mandrioli, Paolo	
AMPIERI, FRANCESCO, <i>see</i> Trombetti, Fernanda	
ANG, CHUNG-MUH / The Instability of a Horizontal Five-Layer Jet	217
ROMBETTI, FERNANDA, MARINA CAPORALONI, and FRANCESCO TAMPIERI / Bulk Transfer Velocity to and from Natural and Artificial Surfaces	585
ENKATESH, S. and M. B. DANARD / A Model for Computing Small-Scale Wind Variations Over a Water Surface	35
IEDNER, GEORGE A. and CHARLES R. STEARNS / Topographic Influence on Surface Winds	167
ASLAVSKII, M. M., <i>see</i> Krasitskii, V. P.	
LITINKEVICH, S. S. / On Evaluation of the Oceanic Surface Drift Current Speed and Direction	29

RESEARCH NOTE

AKAN, S. / Note on the Eddy Correlation Method for CO ₂ Flux Measurements	597
ANNOUNCEMENT	437
BOOK REVIEW	279
ERRATUM	603

